

*Hedyotis caerulea* (L.) Hook. n = 16. WEST VIRGINIA. TUCKER COUNTY: By river just above Black Water Falls, Terrell 4131 (MO). This specimen is said to be an atypical form by its collector.

*Hedyotis michauxii* Fosberg. n = 16. NORTH CAROLINA. SWAIN COUNTY: Great Smoky Mountains National Park, road to Clingman's Dome, alt. 5500 feet, Terrell 3961 (MO). WEST VIRGINIA. GREENBRIAR COUNTY: 1.5 mi. NW of Rupert, Terrell 3989 (MO). TUCKER COUNTY: Black Water Falls, Terrell 4162 (MO) (buds taken following cultivation at Silver Spring, Maryland).

#### UMBELLIFERAE

*Oxypolis greenmanii* Mathias & Constance. 2n = 28. Cultivated Missouri Botanical Garden (origin presumably Florida), voucher Lewis 7613 (MO).

### SOME NEW COMBINATIONS IN PROTIUM (BURSERACEAE)

In his monograph of *Protium* and several allied genera (Rec. Trav. Bot. Neerl. 39: 211–446. 1942), J. J. Swart used the name *P. neglectum* Swart to circumscribe several taxa of northern South America, Panama, and Costa Rica with sessile or rarely subsessile flowers. Cuatrecasas (Webbia 12: 375–441. 1957), however, has pointed out that *Protium neglectum* cannot be separated from the Peruvian and Bolivian *P. tenuifolium* (Engl.) Engl.

*Protium tenuifolium* ssp. *herbertii* (Cuatr.) D. M. Porter, *comb. nov.*

Basionym: *P. tenuifolium* var. *herbertii* Cuatr., Webbia 12: 407. 1957.

[COLOMBIA: Santa Marta, H. H. Smith 1741 (MO, isotype).]

*P. neglectum* var. *tenuifolium* Swart, Rec. Trav. Bot. Neerl. 39: 204. 1942.

*Protium tenuifolium* ssp. *mcleodii* (I. M. Johnst.) D. M. Porter, *comb. nov.*

Basionym: *P. mcleodii* I. M. Johnst., Sargentia 8: 164. 1949. [PANAMA: San José Island, Johnston 557 (GH, holotype; MO, US, isotypes).]

*Protium tenuifolium* ssp. *sessiliflorum* (Rose) D. M. Porter, *comb. nov.*

Basionym: *Icica sessiliflora* Rose, N. Amer. Fl. 25: 259. 1911. [COSTA RICA: Santo Domingo de Golfo Dulce, Tonduz 6989 (US, holotype; US, isotypes).]

*P. sessiliflorum* (Rose) Standley, Contr. U. S. Natl. Herb. 27: 224. 1928.

*P. neglectum* var. *panamense* Swart, Rec. Trav. Bot. Neerl. 39: 205. 1942.

[PANAMA: Barro Colorado Island, Bailey & Bailey 294 (F, holotype).]

*P. neglectum* var. *sessiliflorum* (Rose) Swart, op. cit. 39: 385. 1942.

The category subspecies, rather than variety, is used in the above combinations, as the taxa not only differ morphologically but also appear to be distinct geographically or ecologically. However, their morphological differences are not

sufficient to warrant specific recognition. The latter is not the case for the following taxon, included in the group by Swart. Here, the flowers differ from those in *Protium tenuifolium*; the petals are recurved rather than straight, and the stamens are exserted and spreading rather than included.

*Protium robustum* (Swart) D. M. Porter, *comb. nov.*

Basionym: *P. neglectum* var. *robustum* Swart, Rec. Trav. Bot. Neerl. 39: 204. 1942. [SURINAM: Near Goddo, Stahl 144 (U, holotype—not seen).]

These new combinations are based upon the examination of about 100 specimens of the taxa involved, including most types, at A, F, GH, MO, and US.—*Duncan M. Porter, Missouri Botanical Garden.*

Erratum: Ann. Missouri Bot. Gard. 56: 288, line 7. For "ad 10 cm longa" read "ad 4 cm longa."